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STATE SOLID WASTE PLANNING GRANTS, AGENCIES, AND PROGRESS--1970. REPORT OF ACTIVITIES THROUGH JUNE 30, 1970.

Richard O. Toftner, et al

Environmental Protection Agency
Rockville, Maryland

1971

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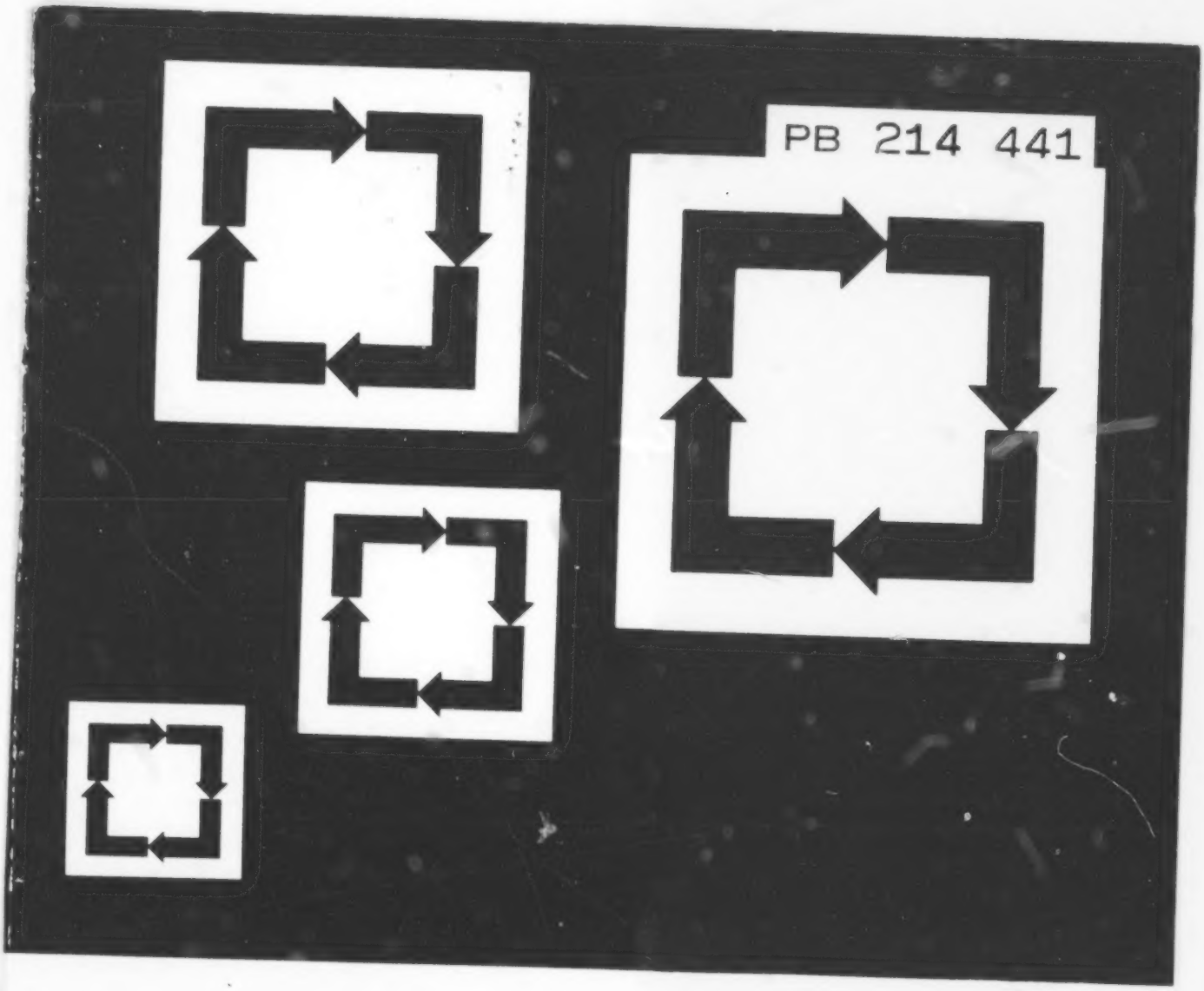

State Solid Waste Planning Grants, Agencies, and Progress...1970

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State Solid Waste Planning Grants Agencies, and Progress — 1970

Report of Activities Through June 30, 1970

This report (SW-41ts) was compiled by
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WILLIAM T. DEHN, AND BEULA L. SWEENEY

U.S. ENVIRONMENTAL PROTECTION AGENCY
Solid Waste Management Office
1971

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Public Health Service Publication No. 2109

Foreword

THE SOLID WASTE DISPOSAL ACT, Public Law 89-272, provides for grants to States and interstate agencies for up to 50 percent of the cost of making surveys of solid waste practices and for other activities that lead to the development of solid waste management plans. Agencies have typically used their grants, in addition to surveys and plans, to develop and pass legislation and regulations and to carry on public relations and information activities.

Solid waste management plans are basically oriented toward the development of policies and procedures in order to: (1) guide the activities of State solid waste management agencies in solving their problems; (2) provide a framework within which local and regional plans might be formulated; (3) provide support for legislation. Interstate plans, on the other hand, are more oriented to the design of operating-level regional systems including collection, transportation, disposal, possible reclamation and reuse, and overall management systems. Plans formulated at each level are coordinated with comprehensive plans of each respective jurisdiction and take into account other environmental problems, population, land use, capital and operating budgets, public facilities, pertinent regulations, governmental framework, and transportation systems.

— RICHARD D. VAUGHAN
Assistant Surgeon General
Acting Commissioner
Solid Waste Management Office

Contents

Page		Page	
1	Introduction	Montana	14
2	Alabama	Nebraska	15
2	Alaska	Nebraska-Iowa Interstate	15
2	American Samoa	Nevada	15
3	Arizona	New Hampshire	16
3	Arkansas	New Jersey	16
4	California	New Mexico	17
4	Colorado	New York	17
5	Connecticut	North Carolina	18
5	Delaware	North Dakota	18
5	District of Columbia	Ohio	18
6	Florida	Ohio-Kentucky-Indiana Interstate	19
6	Georgia	Oklahoma	19
7	Guam	Oregon	20
7	Hawaii	Pennsylvania	20
8	Idaho	Puerto Rico	21
8	Illinois	Rhode Island	21
8	Indiana	South Carolina	21
9	Iowa	South Dakota	22
9	Kansas	Tennessee	22
10	Kansas-Missouri Interstate	Tennessee-Georgia Interstate	23
10	Kentucky	Texas	23
10	Louisiana	Utah	23
11	Maine	Vermont	24
11	Maryland	Virgin Islands	24
12	Maryland-Virginia Interstate	Virginia	24
12	Massachusetts	Washington	25
12	Michigan	West Virginia	25
12	Minnesota	Wisconsin	26
13	Mississippi	Wyoming	26
14	Missouri		

Contents

Page		Page	
1	Introduction	Montana	14
2	Alabama	Nebraska	15
2	Alaska	Nebraska-Iowa Interstate	15
2	American Samoa	Nevada	15
3	Arizona	New Hampshire	16
3	Arkansas	New Jersey	16
4	California	New Mexico	17
4	Colorado	New York	17
5	Connecticut	North Carolina	18
5	Delaware	North Dakota	18
5	District of Columbia	Ohio	18
6	Florida	Ohio-Kentucky-Indiana Interstate	19
6	Georgia	Oklahoma	19
7	Guam	Oregon	20
7	Hawaii	Pennsylvania	20
8	Idaho	Puerto Rico	21
8	Illinois	Rhode Island	21
8	Indiana	South Carolina	21
9	Iowa	South Dakota	22
9	Kansas	Tennessee	22
10	Kansas-Missouri Interstate	Tennessee-Georgia Interstate	23
10	Kentucky	Texas	23
10	Louisiana	Utah	23
11	Maine	Vermont	24
11	Maryland	Virgin Islands	24
12	Maryland-Virginia Interstate	Virginia	24
12	Massachusetts	Washington	25
12	Michigan	West Virginia	25
12	Minnesota	Wisconsin	26
13	Mississippi	Wyoming	26
14	Missouri		

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State Solid Waste Planning Grants Agencies, and Progress — 1970

To date, 41 States, the District of Columbia, Puerto Rico, Guam, and 5 interstate agencies have been approved to receive planning grants. Even the States without them have, however, conformed to the first prerequisite specified in the Act. This calls for the designation of a single State agency to conduct solid waste planning for the State.

This publication lists the names and addresses of the solid waste planning agencies for all States, Territories, and the District of Columbia. It also gives project description information for the State and interstate agencies with solid waste planning grants.

Total Federal funds awarded for solid waste planning grants have been as follows:

Fiscal Year	*Amount*
1966	$399,983
1967	997,305
1968	1,466,698
1969	1,857,763
1970 (limit)	1,500,000

In the following listing, the approved award to each State or interstate agency for the grantee's entire project period is shown as "Total Federal Share." The grantee undertakes to provide at least an equivalent amount of matching support. Initial planning grant applications are considered for a maximum project period of 3 years. To date, 34 of the total of 49 grants were approved for the full 3-year period. The grants that were initially of shorter duration may be renewed for additional periods, after due consideration.

The addressee noted for each jurisdiction is the contact for solid waste planning activities. The addressee listed for each grantee is also the project director for that agency's solid waste planning grant. The Federal official assigned to the planning project is the Bureau of Solid Waste Management's regional representative for the region in which the grantee is located. The addresses of the regional representatives are given at the end of this report, and the applicable region is shown on the grant listing.

ALABAMA

Region IV

Arthur Beck
State Department of Public Health
State Office Building
Montgomery, Alabama 36104
(205)-269-7632

Grant Number: No application

Project Began: See below

Total Federal Share: Services

PROJECT DESCRIPTION: Although Alabama has not applied to the Bureau of Solid Waste Management (BSWM) for a planning grant the State began carrying out certain solid waste activities in March 1969 in cooperation with the Bureau. Current planning activities include a Statewide survey of solid waste practices. The State is using standard survey forms provided and later processed by BSWM.

ALASKA

Region X

James A. Anderegg
State Department of Health and Welfare
Pouch H
Juneau, Alaska 99801
(907)-586-6311

Grant Number: No application

Project Began:

Total Federal Share:

PROJECT DESCRIPTION: Alaska has recently inquired to the Bureau about applying for a State solid waste planning grant. In addition, the State sent a representative to the national symposium for solid waste planning in September 1969 held in St. Louis, Missouri.

AMERICAN SAMOA

Region IX

Titi A. Fa'ai'uaso
Sanitation Section
Department of Medical Services
Government of American Samoa
Pago Pago, American Samoa 96920

Grant Number: No application

Project Began:

Total Federal Share:

PROJECT DESCRIPTION: To date American Samoa has not applied for a planning grant although inquiry has been made to the Bureau. In addition, the Bureau has been contacted for technical assistance services. Furthermore, American Samoa sent a representative to the national symposium for solid waste planning held in St. Louis, Missouri, in September 1969.

ARIZONA
Region IX

John H. Beck
Division of Environmental Health
4019 North 33rd Avenue
Phoenix, Arizona 85017
(602)-371-4642

Grant Number: No application

Project Began: See below

Total Federal Share: Services

PROJECT DESCRIPTION: Arizona is conducting a Statewide survey of solid waste practices in cooperation with BSWM. The State has not applied for a planning grant but is provided standard survey forms and data processing services by the Bureau.

ARKANSAS
Region VI

Sidney S. Fitzgerald
Arkansas Pollution Control Commission
1100 Harrington Avenue
Little Rock, Arkansas 72202
(501)-371-1701

Grant Number: G05-EC-00032

Project Began: Oct. 10, 1967

Total Federal Share: $42,628

PROJECT DESCRIPTION: Solid waste activities are carried out in the Arkansas Pollution Control Commission, which also has counterpart sections for air and water. This organizational relationship provides an atmosphere of cooperation that contributes to overall environmental quality. For example, the Arkansas Pollution Control Commission has passed an air pollution code prohibiting open burning of refuse within a Standard Metropolitan Statistical Area (SMSA), within 10 miles of cities having a population of 25,000 or greater, or within 5 miles of a city with a population of 5,000 or greater.

Having completed the Statewide survey of solid waste management and prepared a preliminary outline of the plan document, Arkansas is 5 percent complete with its State solid waste management plan. At this time, the preliminary outline is in review by the Bureau, and as a result of the review comments, the outline will be reworked into a form acceptable to both the State and the Bureau. The State will then be set on a schedule for completion of the plan, with a target date of Sept. 30, 1970.

CALIFORNIA
REGION IX

Donald Andres
State Department of Public Health
2151 Berkeley Way
Berkeley, California 94704
(415)-843-7900 Ext. 552

Grant Number: G05-EC-00008

Project Began: June 1, 1966

Total Federal Share: $258,298

PROJECT DESCRIPTION: The Statewide survey has been completed, and the results have been published in Volume I of the State plan **Status of Solid Waste Management in California.** Additional data were collected and analyzed concerning the roles of governmental jurisdictions, industry, and agriculture in solid waste management.

Considerable public relations and information activities have been conducted throughout the program. Included has been the use of a Statewide technical advisory committee to recommend policy and review progress in the implementation of the planning project.

The second volume of the State plan, which contains recommendations, has been completed and is in review. Further State plan work will be involved with studies designed to solve specific problem areas and with data updating, legislation, and public information activities.

COLORADO
Region VIII

Orville F. Stoddard
State Department of Health
4210 East 11th Avenue
Denver, Colorado 80220
(303)-388-6111 Ext. 323

Grant Number: G05-EC-00001

Project Began: June 1, 1966

Total Federal Share: $90,196

PROJECT DESCRIPTION: Having completed its Statewide survey of solid waste practices and its development of legislation and regulations, and nearing completion of the State solid waste management plan, Colorado is in the final stages of its initial planning program.

Currently, the plan is 95 percent complete, with only final review and comment necessary before the final draft is completed and the plan is published for distribution. Additional planning activities anticipated for the State are an increased public relations program, a close involvement with solid waste planning through the Denver Region Council of Governments, an agricultural and industrial survey, and an increased attention to the abandoned automobile problem.

CONNECTICUT

Region I

David C. Wiggin
State Department of Health
79 Elm Street
Hartford, Connecticut 06115
(203)-566-2211

Grant Number: G05-EC-00023

Project Began: June 1, 1966

Total Federal Share: $217,066

PROJECT DESCRIPTION: The survey is finished and much of the data are being updated during quarterly site inspections. A special questionnaire collected more detailed information about incinerators. Twelve million dollars has been authorized for the construction of sanitary landfills and incinerators. Two important activities are operator training and public relations. **A Study of Refuse Disposal Methods in Connecticut** was published in 1968. The State plan was to be completed with the help of a consultant by June 1970.

DELAWARE

Region III

Donald K. Harmeson
Bureau of Environmental Health
State Board of Health
Dover, Delaware 19901
(302)-734-5711 Ext. 416

Grant Number: G05-EC-00037

Project Began: June 1, 1967

Total Federal Share: $44,718

PROJECT DESCRIPTION: Survey data and other pertinent planning information were compiled in a solid waste framework study. Although it represents only 5 percent of the total State plan effort, this study will guide the solid waste planning for each of the State's three counties. Before county planning begins, however, the intent of proposed State legislation to finance these plans must be clarified. When the county plans are finished, the board of health will prepare a plan for administering its solid waste responsibilities.

DISTRICT OF COLUMBIA

Region III

Paul W. Reed
Department of Sanitary Engineering
Room 308, Presidential Building
415 12th Street, N.W.
Washington, D. C. 20004
(202)-629-2255

Grant Number: G05-EC-00030

Project Began: Feb. 1, 1968

Total Federal Share: $131,900

PROJECT DESCRIPTION: Solid waste planning activities are shared by two departments. The health department handles legislation, onsite collection and disposal, private incinera-

tion, and hospital wastes. The sanitary engineering department is responsible for other special wastes, collection, public incinerators, and disposal sites. A solid waste management plan for the District of Columbia is complete except for final editing.

FLORIDA
Region IV

Nick Mastro
State Department of Health and Rehabilitative Services
P.O Box 210
Jacksonville, Florida 32201
(904)-354-3961

Grant Number: GO5-EC-00025

Project Began: June 1, 1967

Total Federal Share: $64,581

PROJECT DESCRIPTION: A reorganization of State departments has temporarily hampered solid waste planning progress and coordination among departments. Nevertheless, the survey has been completed and the data are now being analyzed. Public information activities include a bulletin about the agency's work, presentations to civic groups, and special articles for journals. The State plan is 20 percent finished and will be complete by October 1970.

GEORGIA
Region IV

Moses N. McCall
State Department of Public Health
47 Trinity Avenue, S.W.
Atlanta, Georgia 30334
(404)-688-4033 Ext. 281

Grant Number: GO5-EC-00022

Project Began: Sept. 1, 1966

Total Federal Share: $99,439

PROJECT DESCRIPTION: A survey of all communities with more than 5,000 people has been completed; smaller communities will be surveyed next year. Future inventories will collect data about wastes from hospitals, mental health facilities, parks, food service establishments, and industrial and agricultural operations. A few regional and metropolitan studies are starting a trend for local solid waste planning throughout the State. A status report of Statewide solid waste practices will be available in early 1970. The remainder of the State plan, now 25 percent complete, will be finished by March 1971.

GUAM

Region IX

Juan C. Tenorio
Department of Public Works
Government of Guam
Agana, Guam 96910
746-3661

Grant Number: G05-EC-00050

Project Began: Nov. 1, 1969

Total Federal Share: $53,775

PROJECT DESCRIPTION: Guam has recently begun its Territory-wide survey and planning program following a cooperative technical assistance activity with BSWM.

The Guam planning program is unique in that the planning area is a "closed system" contained within the confines of a single island. In addition, the plan to be developed will be operation oriented and will be implemented by the Guam Department of Public Works—the same agency that is preparing the plan.

The department of public works has prepared an atmosphere conducive to planning and ultimate implementation by forming an advisory committee of representative citizens including members of the U.S. Air Force and Navy. The armed forces on the island represent about half the total population and account for a large portion of solid waste generation.

HAWAII

Region IX

Shinji Soneda
State Department of Health
P.O. Box 3378
Honolulu, Hawaii 96801
(808)-548-2811 Ext. 521

Grant Number: G05-EC-00013

Project Began: June 1, 1966

Total Federal Share: $90,482

PROJECT DESCRIPTION: The Hawaii State Department of Health is conducting its solid waste planning program using in-house staff and a service contract with the University of Hawaii.

The survey has been completed and the State plan is 80 percent complete. Installation of system analysis procedures and a management information system will provide a method of optimizing the overall operation and supply continuing data for planning. In addition, the approach to planning for solid waste management in Hawaii is to recognize the geographical separation and the problems of a "closed system" presented by each island-county. The State plan will accordingly prescribe separate detailed solid waste management plans for each county. The counties of Kauai, Maui, Hawaii, and Honolulu have a total of 16 hard-pressed communities that need immediate solutions. Proposals for the 1970-1979 period are being developed for these communities. Additional recommendations are to combine solid waste management with air and water pollution control in each county.

IDAHO
Region X

Robert P. Olson
State Department of Health
Statehouse
Boise, Idaho 83701
(208)-344-5811 Ext. 362

Grant Number: G05-EC-00015

Project Began: June 1, 1966

Total Federal Share: $63,623

PROJECT DESCRIPTION: The State of Idaho has completed the preliminary planning activities of a Statewide survey of solid waste management practices and an outline of the plan document. Currently, one chapter of the plan has been completed, and other chapters are in the early writing stages. This represents approximately a 35 percent completion. A schedule has been arranged for completion with a publishing date of June 1, 1970. Additional work in solid waste planning is anticipated in the following areas: interagency planning cooperation, an industrial and agricultural survey, an expanded public relations program, and development of a model county solid waste management plan.

ILLINOIS
Region V

C. W. Klassen
State Department of Public Health
State Office Building
Springfield, Illinois 62706
(217)-525-6580

Grant Number: No application

Project Began:

Total Federal Share:

PROJECT DESCRIPTION: The State has not applied for a State planning grant. Legislation and regulations prohibiting open dumping in the State have been enacted and are in effect. BSWM has answered a number of requests for technical assistance by Illinois communities affected by these regulations.

INDIANA
Region V

Robert W. Heider
Div. of Sanitary Engineering
State Board of Health
1330 W. Michigan Street
Indianapolis, Indiana 46206
(317)-633-4420

Grant Number: G05-EC-00044

Project Began: Dec. 1, 1969

Total Federal Share: $21,025

PROJECT DESCRIPTION: Indiana has completed its Statewide survey of solid waste practices and has begun development of phase I of its State plan. Through coordination with

a Governor's task force the State solid waste plan will result in local solid waste plans supervised by the State Division of Planning in the Lieutenant Governor's office. The State has developed regulations prohibiting open dumping and is conducting public information activities.

IOWA

Region VII

Paul J. Houser
State Department of Health
State Office Building
Des Moines, Iowa 50319
(515)-281-5345

Grant Number: No application

Project Began:

Total Federal Share:

PROJECT DESCRIPTION: To date, this State has not applied for a solid waste planning grant. A representative of the health department participates, however, in the Bureau's regional activities and attended the national symposium for State and interstate solid waste planning agencies. The State is also represented on the technical advisory committee for the Omaha-Council Bluffs interstate solid waste planning project.

KANSAS

Region VII

Ivan F. Shull
State Department of Health
State Office Building
Topeka, Kansas 66612
(913)-296-3821

Grant Number: G05-EC-00035

Project Began: Feb. 1, 1968

Total Federal Share: $38,328

PROJECT DESCRIPTION: The Statewide survey of solid waste practices is finished and the State plan 85 percent complete. The plan is comprehensive in its approach. A section of the plan is concerned with organization and management of solid waste systems on a regional basis.

Legislation has been drafted and is in legislative committee and will probably be acted upon during 1970. Extensive public relations and information activities have been conducted throughout this program. In addition, moves have been taken to form the solid waste program as a section within the division of environmental health services.

KANSAS-MISSOURI INTERSTATE
(Leavenworth, Johnson, and Wyandotte Counties, Kansas; Cass, Clay, Jackson, and Platte Counties, Missouri)
Region VII

Gerald Neely
Metropolitan Planning Commission
Kansas City Region
127 West 10th Street
Kansas City, Missouri 64105
(816)-221-7133

Grant Number: G05-EC-00038

Project Began: Mar. 1, 1968

Total Federal Share: $125,000

PROJECT DESCRIPTION: A consultant has finished an intensive survey of the Kansas City region and was to complete a comprehensive solid waste management plan by June 1970. The grantee organized a technical advisory committee that has been instrumental in reviewing the consultant's progress and providing guidance. An accelerated plan for several immediate problems in the area has already resulted in replacing one dump by a sanitary landfill.

KENTUCKY
Region IV

Samuel N. Johnson, Jr.
State Department of Health
275 East Main Street
Frankfort, Kentucky 40601
(502)-564-6716

Grant Number: G05-EC-00005

Project Began: June 1, 1966

Total Federal Share: $111,725

PROJECT DESCRIPTION: The State survey is complete and has been augmented by a mail-out questionnaire to small communities about their collection and disposal practices. Recently enacted legislation requires a permit for each disposal site and establishes rigorous construction and operation standards. Coordination has prompted other State departments that have solid waste responsibilities to improve their operations. A nonprofit consultant, retained by the State for several projects, is assisting the development of the Kentucky solid waste management plan. This work was to be completed by July 1970.

LOUISIANA
Region VI

John E. Trygg
State Department of Health
State Office Building
New Orleans, Louisiana 70160
(504)-527-5111

Grant Number: G03-EC-00010

Project Began: Sept. 1, 1966

Total Federal Share: $96,837

PROJECT DESCRIPTION: Having completed the State survey and preliminary draft work, the Louisiana State plan is in the final draft stage with only the incorporation of final re-

view comments necessary before printing. This represents a 95 percent completion of the plan. The plan is exceptionally broad, covering industrial and agricultural wastes and automobile bodies, topics generally reserved for additional planning activities to supplement the basic plan. It is hoped that additional planning activities will be undertaken by the State, especially in conducting a more thorough examination of the industrial and agricultural waste problems in the State.

MAINE

Region I

Earle W. Tibbetts
State Department of Health and Welfare
Statehouse
Augusta, Maine 04330
(207)-289-3826

Grant Number: G05-EC-00024

Project Began: June 1, 1966

Total Federal Share: $40,986

PROJECT DESCRIPTION: Two surveys of Statewide solid waste practices preceded the data collection work under this grant. All this information has now been compiled and analyzed. More support for proposed legislation will be fostered through a broader public relations program. Guidelines on solid waste planning will be prepared for State agencies, regional planning commissions, and municipalities. The State plan is keying on solutions to six categories of problems. The scheduled completion date was June 1970.

MARYLAND

Region III

Wilfred H. Shields, Jr.
State Department of Health
2305 N. Charles Street
Baltimore, Maryland 21218
(301)-383-3010 Ext. 8201

Grant Number: G05-EC-00009

Project Began: Jan. 1, 1967

Total Federal Share: $109,326

PROJECT DESCRIPTION: The survey is finished and much of the data are updated through site inspections. This program is organized into the following three sections: technical advice and assistance, planning and program evaluation, and special studies and research. Two popular publications, a pamphlet describing the State's solid waste problems and a monthly newsletter, receive wide distribution. New legislation requires a public hearing prior to the operation of any disposal facility. A "Waste Acceptance Authority" is being considered by the 1970 legislature. Engineering students are hired for summertime work as part of the agency's career development program. A 10-year plan has already been developed. It will serve as the basis for the State's solid waste management plan, scheduled for publication in October 1970.

MARYLAND-VIRGINIA INTERSTATE
(District of Columbia; Charles, Montgomery, and Prince Georges Counties, Maryland; Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia)
Region III

John J. Lentz
Metropolitan Washington Council of Governments
1225 Connecticut Avenue, N.W.
Washington, D. C. 20036
(202)-223-6800

Grant Number: G05-EC-00046

Project Began: Mar. 1, 1969

Total Federal Share: $40,000

PROJECT DESCRIPTION: During the past decade many studies, including some about solid wastes, have been made in the Metropolitan Washington area. The findings of this work endorse a system of rail hauling solid wastes to disposal sites. A strategy to implement this system is now being planned. The Metropolitan Washington Waste Management Agency, a subsidiary of the grantee, will be the operating agency for the adopted plan.

MASSACHUSETTS
Region I

John C. Collins
State Department of Public Health
600 Washington Street
Room 320
Boston, Massachusetts 02111
(617)-727-2691

Grant Number: G05-EC-00016

Project Began: July 1, 1969

Total Federal Share: $25,000

PROJECT DESCRIPTION: This project had to be postponed for nearly 3 years until State administrative procedures were clarified. Now the solid waste survey has begun and additional delays are not expected. Recent legislation authorized the department of public works to operate disposal sites within the State. These operations must have the health department's approval.

MICHIGAN
Region V

Fred B. Kellow
Division of Engineering
State Department of Public Health
Lansing, Michigan 48914
(517)-373-1373

Grant Number: G05-EC-00036

Project Began: June 1, 1967

Total Federal Share: $101,911

PROJECT DESCRIPTION: Michigan's Statewide survey has been completed as has the analysis of much of the data collected. Public relations activities have been conducted

throughout the program. Legislative activities in solid waste problems have been actively pursued since Act 87, Public Acts of 1965. In addition, the County Plan Act authorizes counties to establish and provide solid waste collection and disposal facilities for or between cities, villages, townships, and improvement districts.

Coordination between other State agencies, the Southeast Michigan Council of Governments, county planning agencies, and other pollution control agencies has been conducted. The State plan development has been delayed somewhat owing to personnel shortages. Nevertheless, the plan is now about 20 percent complete. It is anticipated that the entire plan will be completed during 1970.

MINNESOTA
Region V

Floyd Forsberg
Minnesota Pollution Control Agency
717 Delaware Street, S.E.
Minneapolis, Minnesota 55440
(612)-378-1320

Grant Number: G05-EC-00034

Project Began: June 1, 1968

Total Federal Share: $67,061

PROJECT DESCRIPTION: Solid waste activities in Minnesota are conducted by the Minnesota Pollution Control Agency, which is also concerned with air and water pollution and pollution related to land use planning. The Statewide survey is 50 percent complete. In addition, considerable planning and coordination have been accomplished in cooperation with the Metropolitan Council, which represents 78 percent of the State's population. Enabling legislation, followed with rules and regulations, has been adopted to provide proper disposal procedures. These activities were conducted in conjunction with an active public relations and information program.

The State plan is 50 per cent complete. The plan will consolidate the 11 regions delineated by the State's planning agency into 4 solid waste regions. Further work in solid waste planning will investigate the automobile hulk and feedlot problems. Following studies into these problems will be recommended solutions for updating the original plan.

MISSISSIPPI
Region IV

V. T. Hawkins
State Board of Health
P.O. Box 1700
Jackson, Mississippi 39205
(601)-354-6616

Grant Number: G05-EC-00045

Project Began: Mar. 1, 1969

Total Federal Share: $31,029

PROJECT DESCRIPTION: Currently, the Statewide survey is underway and nearly complete. Public relations and information activities are also being conducted. The State has been active in solid waste management for a number of years and has prepared community solid waste management plans for several of its local governments. These plans will provide an important guide in development of the State plan following the solid waste survey.

MISSOURI

Region VII

Robert S. Miller
State Department of Public
Health and Welfare
Broadway State Office Building
221 West High Street
Jefferson City, Missouri 65101
(314)-635-4111 Ext. 245

Grant Number: G05-EC-00039

Project Began: Aug. 1, 1968

Total Federal Share: $74,398

PROJECT DESCRIPTION: The survey is nearly finished and data analysis will follow. Legislation to license and regulate disposal sites was introduced in the last legislature, but final action was postponed until the next legislative session. Special efforts are made to interest the State's 20 regional planning commissions in solid waste planning.

MONTANA

Region VIII

Clairborne W. Brinck
Div. of Environmental Sanitation
State Department of Health
Helena, Montana 59601
(406)-442-3260 Ext. 221

Grant Number: G05-EC-00028

Project Began: June 1, 1967

Total Federal Share: $53,992

PROJECT DESCRIPTION: Progress in Montana has reached the writing stage with approximately 45 percent of the plan complete. The State survey has been completed and drafts of three individual plan chapters have been submitted and reviewed. It is anticipated that the entire plan will be reviewed as a whole once all the individual chapters have been completed. The State is working on a completion schedule aimed at a June 1, 1970, publication date. Further planning activities include the following: developing a model regional plan and a model county plan, conducting an industrial and agricultural survey, and giving additional attention to the abandoned automobile problem.

NEBRASKA
Region VII

T. A. Filipi
Statehouse Station
P.O. Box 94757
Lincoln, Nebraska 68509
(402)-477-5211 Ext. 484

Grant Number: No application

Project Began:

Total Federal Share:

PROJECT DESCRIPTION: This State has not applied for a solid waste planning grant, but a representative participates in the Bureau's regional meetings and attended the national symposium for State and interstate solid waste planning agencies. The State is also represented in the technical advisory committee for the Omaha-Council Bluffs interstate solid waste planning project.

NEBRASKA-IOWA INTERSTATE
(Douglas and Sarpy Counties, Nebraska; Pottawattamie County, Iowa)
Region VII

Victor E. Ziegler
Omaha-Council Bluffs Metropolitan
Area Planning Agency
1910 Harney Street
Omaha, Nebraska 68102
(402)-397-0330

Grant Number: G05-EC-00041

Project Began: July 1, 1968

Total Federal Share: $75,155

PROJECT DESCRIPTION: A consultant conducted an intensive survey of the Omaha-Council Bluffs metropolitan area and completed a solid waste disposal plan in July 1969. Now a committee of local officials is reviewing the plan and making suggestions for its implementation. A program has been launched to inform the public about the plan's recommendations for waste disposal.

NEVADA
Region IX

Ernest Gregory
State Department of Health
and Welfare
790 Sutro Street
Reno, Nevada 89502
(702)-784-6241

Grant Number: No application

Project Began:

Total Federal Share:

PROJECT DESCRIPTION: The State has not yet applied for a planning grant. However, BSWM has provided some technical assistance to both the State and Clark County (Las Vegas).

NEW HAMPSHIRE

Region I

Gilman K. Crowell
State Department of Health and Welfare
61 South Spring Street
Concord, New Hampshire 03301
(603)-271-2747

Grant Number: See below

Project Began:

Total Federal Share:

PROJECT DESCRIPTION: This agency applied for a solid waste planning grant, and the application is now being reviewed by the State's Clearinghouse, as required by Bureau of the Budget circular A-95. The project is expected to begin shortly.

NEW JERSEY

Region II

Arthur W. Price
Bureau of Solid Waste Management
Department of Environmental Protection
P.O. Box 1390
Trenton, New Jersey 08625
(609)-292-7645

Grant Number: G05-EC-00007

Project Began: June 1, 1968

Total Federal Share: $381,219

PROJECT DESCRIPTION: The Statewide survey is complete including spot field verification of some of the data. In addition, representative local comprehensive plans with solid waste data and plan elements have been collected and evaluated. Extensive public relations activities have been conducted during the project period as well. Solid waste program legislative efforts have resulted in two new acts and introduction of four additional bills now before the legislature.

Current efforts are being placed upon development of the State plan for solid waste management, which is about 40 percent complete. A systems approach is being taken in planning for New Jersey. In addition, a continual planning process system is being installed and will include a management information system to provide continual current and historic data. Once the basic planning process has been formulated, implementation guidelines will be prepared.

NEW MEXICO

Region VI

Bryan E. Miller
State Health and Social Services Department
408 Galisteo Street
Santa Fe, New Mexico 87501
(505)-827-2893

Grant Number: G05-EC-00019

Project Began: Oct. 1, 1967

Total Federal Share: $56,044

PROJECT DESCRIPTION: New Mexico has completed its Statewide survey using BSWM forms. In addition, a detailed 1-year weighing program in four communities has been completed in order to develop representative per capita weights for planning. The State program has recommended solid waste disposal standards and has been instrumental in having regulations adopted prohibiting disposal of solid waste in any water course. Furthermore, municipalities of 5,000 or more population are prohibited from open burning.

Extensive public relations activities have been conducted in association with the planning project. An advisory committee has also been formed with broad representation from Federal, State, local, and private organizations. The State plan is 40 percent complete with proposals to the year 2000 and coordinated closely with air and water quality and local comprehensive planning conducted by the State's planning agency.

NEW YORK

Region II

William G. Wilkie
State Department of Health
845 Central Avenue
Albany, New York 12206
(518)-457-2091

Grant Number: G05-EC-00021

Project Began: June 1, 1966

Total Federal Share: $1,063,007

PROJECT DESCRIPTION: The State has completed its Statewide survey of solid waste practices. Additional data are being developed through several regional studies. Considerable interagency coordination and public information activities have been conducted as well.

New York is operating under Part 19 of the State Sanitary Code, which requires that land disposal operations be conducted as sanitary landfills.

The State plan is approximately 85 percent complete and is being developed in two phases. Phase I, sketch plan, is complete and phase II is underway. Phase II is being approached through system analysis and development of models. Mathematical models are being developed that can be applied to solid waste management throughout the State. The State is studying the solid waste problem on a regional basis. Six separate regional studies have been underway during the past 2 years, covering nine counties and New York City. Plan reports resulting from this Statewide planning activity are designed to enhance implementation of study recommendations.

NORTH CAROLINA

Region IV

Sidney H. Usry
Sanitary Engineering Division
State Board of Health
Raleigh, North Carolina 27602
(919)-829-3589

Grant Number: G05-EC-00006

Project Began: Sept. 1, 1966

Total Federal Share: $45,511

PROJECT DESCRIPTION: The Statewide survey is finished and has been supplemented by data on population densities, soil characteristics, watershed protection, and groundwater supplies. Plans are being prepared for collection and disposal operations in several counties. Industrial solid wastes are a major problem throughout the State, and future studies are planned. The State plan will be complete by September 1970.

NORTH DAKOTA

Region VIII

Everett Lobb
State Department of Health
State Capitol Building
Bismarck, North Dakota 58501
(701)-224-2382

Grant Number: G05-EC-00029

Project Began: July 1, 1967

Total Federal Share: $45,827

PROJECT DESCRIPTION: The Statewide survey has been completed, and much of the data have been analyzed. Legislation has been drafted but will not be submitted until the 1971 session. In the meantime an extensive public relations and information program is being conducted. A promotion called "Starve a Rat Today" has resulted in distribution of over 18,000 copies of this one-page story. Work is now beginning on a State plan that will have a strong local orientation.

OHIO

Region V

Clarence M. Robinson
State Department of Health
P.O. Box 118
Columbus, Ohio 43216
(614)-469-3730

Grant Number: G05-EC-00011

Project Began: Sept. 1, 1966

Total Federal Share: $200,930

PROJECT DESCRIPTION: Ohio has completed its Statewide survey of solid waste practices, using BSWM forms plus additional data represented by photographs, maps, narrative re-

ports, and official letters.

The State has passed legislation and regulations that required closure of open dumps, effective July 1, 1968. Extensive public relations efforts accompanied these activities. In addition, the State program was instrumental in legislation that provides that county commissioners can form and operate county-region solid waste management systems. Presently, Ohio has completed 30 percent of its State solid waste management plan.

OHIO-KENTUCKY-INDIANA INTERSTATE
(Hamilton, Clermont, Warren, and Butler Counties, Ohio; Campbell, Kenton, and Boone Counties, Kentucky; Ohio and Dearborn Counties, Indiana)
Region V

Gerald Overstreet
Ohio-Kentucky-Indiana Regional Planning Authority
222 E. Central Parkway
Cincinnati, Ohio 45202
(513)-621-7060

Grant Number: G05-EC-00049

Project Began: July 1, 1969

Total Federal Share: $88,900

PROJECT DESCRIPTION: The Ohio-Kentucky-Indiana Regional Planning Authority is a regional agency representing nine counties in three States and centered in Cincinnati, Ohio.

O-K-I is presently in its inventory phase I in which data will be collected and analyzed on a detailed basis. An EDP program will be developed to handle information for planning and design. In addition, an advisory committee has been formed to provide interfaces with government agencies and private organizations. Further coordination has been developed and is maintained with the respective participant State solid waste agencies. Phase II will be concerned with actual regional plan formulation.

OKLAHOMA
Region VI

C. T. Grant
State Department of Health
3400 North Eastern
Oklahoma City, Oklahoma 73105
(405)-427-6561

Grant Number: G05-EC-00018

Project Began: June 1, 1966

Total Federal Share: $97,444

PROJECT DESCRIPTION: Oklahoma has completed its Statewide survey and 80 percent of its State plan for solid waste management. The State has conducted extensive and effective public relations during this project. Much of these efforts have been designed to support legislation. Legislative activities are presently underway that will provide the State's solid waste agency major control of solid waste problems. A bill has passed the House and is pending in the Senate.

OREGON
Region X

W. B. Culham
State Board of Health
State Office Building
Portland, Oregon 97207
(503)-229-5955

Grant Number: G05-EC-00014

Project Began: Sept. 1, 1966

Total Federal Share: $62,687

PROJECT DESCRIPTION: The Statewide survey and State plan are both complete. In addition, a separate study on commercial-residential waste has been completed and preparations have been made to begin a survey of industrial-agricultural waste. Considerable public relations and information efforts have been made. A new department of environmental quality was established in 1969 and is responsible for State rules and regulations on solid waste, air, and water pollution.

PENNSYLVANIA
Region III

William Bucciarelli
State Department of Health
P.O. Box 90
Harrisburg, Pennsylvania 17120
(717)-787-3780

Grant Number: G05-EC-00020

Project Began: June 1, 1966

Total Federal Share: $533,157

PROJECT DESCRIPTION: The State has completed its Statewide survey, which included 100 percent of the total 2,559 political subdivisions. In addition, an industrial-agricultural survey was conducted.

Significant legislation, the Pennsylvania Solid Waste Management Act (Act 241), was signed into law by the Governor on July 31, 1968. The Act is broad in its management and planning scope. A unique feature requires municipalities to submit solid waste management plans to the State for approval. Reimbursement of up to 50 percent is available to municipalities for the cost of preparing these plans. Extensive public relations and information activities have continued throughout the project. Current activities include preparation of the State plan document, which is 80 percent complete.

PUERTO RICO

Region II

Santos Rohena Betancourt
Bureau of Health
Stop 19, Ponce de Leon
Santurce, Puerto Rico 00908
(809)-725-0531

Grant Number: G05-EC-00027

Project Began: Sept. 1, 1967

Total Federal Share: $59,611

PROJECT DESCRIPTION: An island-wide survey is finished and special studies in three communities provided additional data. Solid waste personnel were active on the Governor's Task Force on Pollution. Phase I of the solid waste management plan is completed. Alternatives for phase II are now being considered by a technical advisory committee. The plan will be finished by January 1971.

RHODE ISLAND

Region I

Walter J. Shea
State Department of Health
State Office Building
Providence, Rhode Island 02903
(401)-521-7100

Grant Number: G05-EC-00012

Project Began: June 1, 1966

Total Federal Share: $26,558

PROJECT DESCRIPTION: The Statewide survey has been completed and the solid waste management plan is 80 percent complete. The plan will be finished during 1970.

Legislation for a local grant-in-aid program that assists communities in establishing volume reduction and disposal facilities was passed during this program. The State's solid waste agency administers this program. Grant funds are awarded only if the community's long-range disposal plan is approved by the department of health. An incentive is offered for regional operations by increasing the State's share of the grant.

SOUTH CAROLINA

Region IV

Charles E. Corley
State Board of Health
2600 Bull Street
Columbia, South Carolina 29201
(803)-758-5684

Grant Number: G05-EC-00017

Project Began: June 1, 1966

Total Federal Share: $136,888

PROJECT DESCRIPTION: The State survey has been completed and has resulted in considerable interest from local officials throughout the State. Consequently, the State's solid waste

program has been continually requested to prepare local solid waste plans for communities whose problems demand immediate attention. This local activity has resulted in diversion of resources from State planning. A State plan has, however, been in preparation for the past year. The plan is about 25 percent complete.

SOUTH DAKOTA
Region VIII

Charles E. Carl
State Department of Health
State Capitol
Pierre, South Dakota 57501
(605)-224-3351

Grant Number: G05-EC-00040

Project Began: Sept. 1, 1968

Total Federal Share: $31,801

PROJECT DESCRIPTION: South Dakota is presently conducting its Statewide survey of solid waste practices. In addition, extensive public relations activities and coordination with other governmental agencies are underway. Further activities include guidelines development for a pilot program for an areawide training course in solid waste management at the local level.

TENNESSEE
Region IV

James C. Ault
State Department of Public Health
510 Gay Street
Nashville, Tennessee 37219
(615)-741-2951

Grant Number: G05-EC-00026

Project Began: Jan. 1, 1967

Total Federal Share: $73,213

PROJECT DESCRIPTION: An extensive Statewide survey is complete, having reached 99 percent of the State's population. Public relations and legislative efforts have been carried on since the beginning of the program with favorable results. For example, the new Tennessee Solid Waste Disposal Act authorizes the health department to promulgate rules and regulations, review plans for new facilities, and organize a technical advisory committee. Most of the data have been analyzed for the State plan and is 5 percent complete. The plan will be completed during 1970.

TENNESSEE-GEORGIA INTERSTATE
(Hamilton County, Tennessee; Walker County, Georgia)
Region IV

Ronald P. Saylor
Chattanooga Area Regional Council of Governments
735 Broad Street
Chattanooga, Tennessee 37402
(615)-265-2371

Grant Number: G05-EC-00042

Project Began: June 1, 1968

Total Federal Share: $25,882

PROJECT DESCRIPTION: This interstate region centered at Chattanooga, Tennessee, has completed its regional survey and a preliminary plan for solid waste management. Incineration was selected as the basic disposal method for the region. Collection, transportation, and overall system management were not examined in detail in this planning phase. Coordination between the Tennessee and Georgia solid waste agencies and programs has been developed and maintained. These agencies have provided a source of data, advice, and standards.

TEXAS
Region VI

David Houston
State Department of Health
1100 West 49th Street
Austin, Texas 78756
(512)-454-3781

Grant Number: G05-EC-00031

Project Began: Jan. 1, 1967

Total Federal Share: $62,125

PROJECT DESCRIPTION: The Statewide survey is complete and the State plan development is underway. A close relationship with "701" local planning assistance and the solid waste program has been advantageous in comprehensive plan coordination.

For planning purposes, the county has been delineated as the basic unit. This delineation corresponds with those of councils of government and various regional designations. Other planning activities have included public relations and information.

UTAH
Region VIII

Lynn M. Thatcher
Department of Social Services
44 Medical Drive
Salt Lake City, Utah 84113
(801)-328-6121

Grant Number: G05-EC-00033

Project Began: Sept. 1, 1967

Total Federal Share: $24,627

PROJECT DESCRIPTION: The Statewide survey is nearly complete. Once completed, steps can be taken to begin development of a plan outline and formulation of a State solid waste management plan. Difficulty in obtaining staff has contributed to delays in completion of this project.

VERMONT

Region I

John V. Richards
State Department of Health
115 Colchester Avenue
Burlington, Vermont 05401
(802)-862-5701

Grant Number: GO5-EC-00047

Project Began: July 1, 1969

Total Federal Share: $23,830

PROJECT DESCRIPTION: The State survey has not started, because staffing problems have temporarily delayed all work. Hopefully, a full-time solid waste planner will be recruited soon.

VIRGIN ISLANDS

Region II

Pedrito Francois
Department of Health
Charlotte Amalie
St. Thomas, Virgin Islands 00802
(809)-774-0117

Grant Number: No application

Project Began:

Total Federal Share:

PROJECT DESCRIPTION: To date, the Virgin Islands has not applied for a planning grant. The Governor's office has, however, requested an application kit, and the Region II office is preparing to provide assistance in developing the application.

VIRGINIA

Region III

R. E. Dorer
State Health Department
P.O. Box 12418
Norfolk, Virginia 23502
(703)-420-3640

Grant Number: GO5-EC-00003

Project Began: Sept. 1, 1966

Total Federal Share: $105,642

PROJECT DESCRIPTION: Plans for the disposal of solid wastes during the next 20 years have been prepared for 75 percent of Virginia's counties, cities, and towns. Data for this planning were obtained through the Statewide survey. Regulations will not be promulgated for some time, but disposal standards have been distributed widely. A special legislative committee is studying the State's solid waste problem and will report its findings to the 1970 Assembly. A bimonthly newsletter promotes better solid waste practices to its 700 subscribers.

WASHINGTON
Region X

Avery Wells
State Department of Health
Bldg. #7, Olympia Airport
Olympia, Washington 98501
(206)-753-7523

Grant Number: G05-EC-00004

Project Began: Sept. 1, 1966

Total Federal Share: $55,802

PROJECT DESCRIPTION: Washington's Statewide survey is complete with much of the basic data assembled and analyzed. Public relations and information and legislative efforts have been successful. In early 1970, the legislature passed a bill sponsored by the Governor to combine solid waste, air, and water in a new department of ecology.

The State plan is 60 percent complete with completion scheduled for October 1970. This phase I plan will include guidelines for local and regional planning. The solid waste agency will administer grant-in-aid funds for local solid waste plans using these guides. Additional planning work for phases II and III will consider industrial and agricultural solid waste.

WEST VIRGINIA
Region III

O. R. Lyons
State Department of Health
1800 Washington Street, E.
Charleston, West Virginia 25305
(304)-345-2985

Grant Number: G05-EC-00002

Project Began: June 1, 1966

Total Federal Share: $85,434

PROJECT DESCRIPTION: Data from the Statewide survey are now being analyzed. The grantee prepared several county solid waste plans that have been implemented. A proposed solid waste law could not be accommodated by the 1970 legislature's schedule, and the bill will be resubmitted at next year's session. Public education continues to be one of this agency's most important activities. The State plan is 20 percent complete and will be finished by September 1970.

WISCONSIN

Region V

Thomas Frangos
Department of Natural Resources
4610 University Avenue
Madison, Wisconsin 53701
(608)-266-2747

Grant Number: No application

Project Began:

Total Federal Share:

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PROJECT DESCRIPTION: To date Wisconsin has not applied for a planning grant. The Region V office has, however, made contact with the State and has been assisting with development of a grant application.

WYOMING

Region VIII

Arthur E. Williamson
State Department of Public Health
State Office Building
Cheyenne, Wyoming 82001
(307)-777-7513

Grant Number: G05-EC-00043

Project Began: June 1, 1968

Total Federal Share: $14,224

PROJECT DESCRIPTION: One of the newest solid waste management planning grantees, Wyoming is conducting its Statewide survey of solid waste management practices in association with the State's natural resource and planning agency. This coordination will have long-term benefits in that solid waste plan recommendations will have a greater likelihood of being implemented along with other State comprehensive plan proposals.

SOLID WASTE MANAGEMENT REGIONAL REPRESENTATIVES

REGION I

John F. Kennedy Federal Office Building
Boston, Massachusetts 02203
Telephone: (617)-223-6687

REGION II

Room 837-E
Federal Office Building
26 Federal Plaza
New York, New York 10007
Telephone: (212)-264-4018

REGION III

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Philadelphia, Pennsylvania 19108
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REGION IV

Room 404
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Atlanta, Georgia 30323
Telephone: (404)-526-3454

REGION V

Room 712
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Telephone: (312)-353-6560

REGION VI

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Dallas, Texas 75202
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REGION VIII

Federal Office Building
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Denver, Colorado 80202
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REGION IX

Federal Office Building
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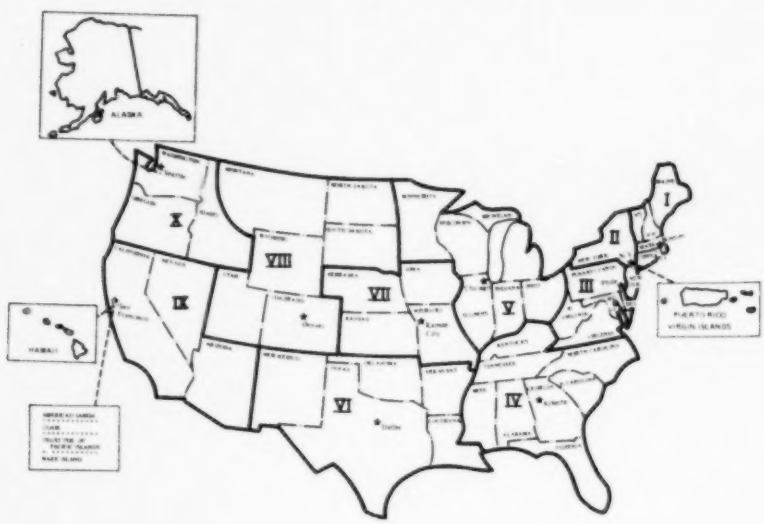
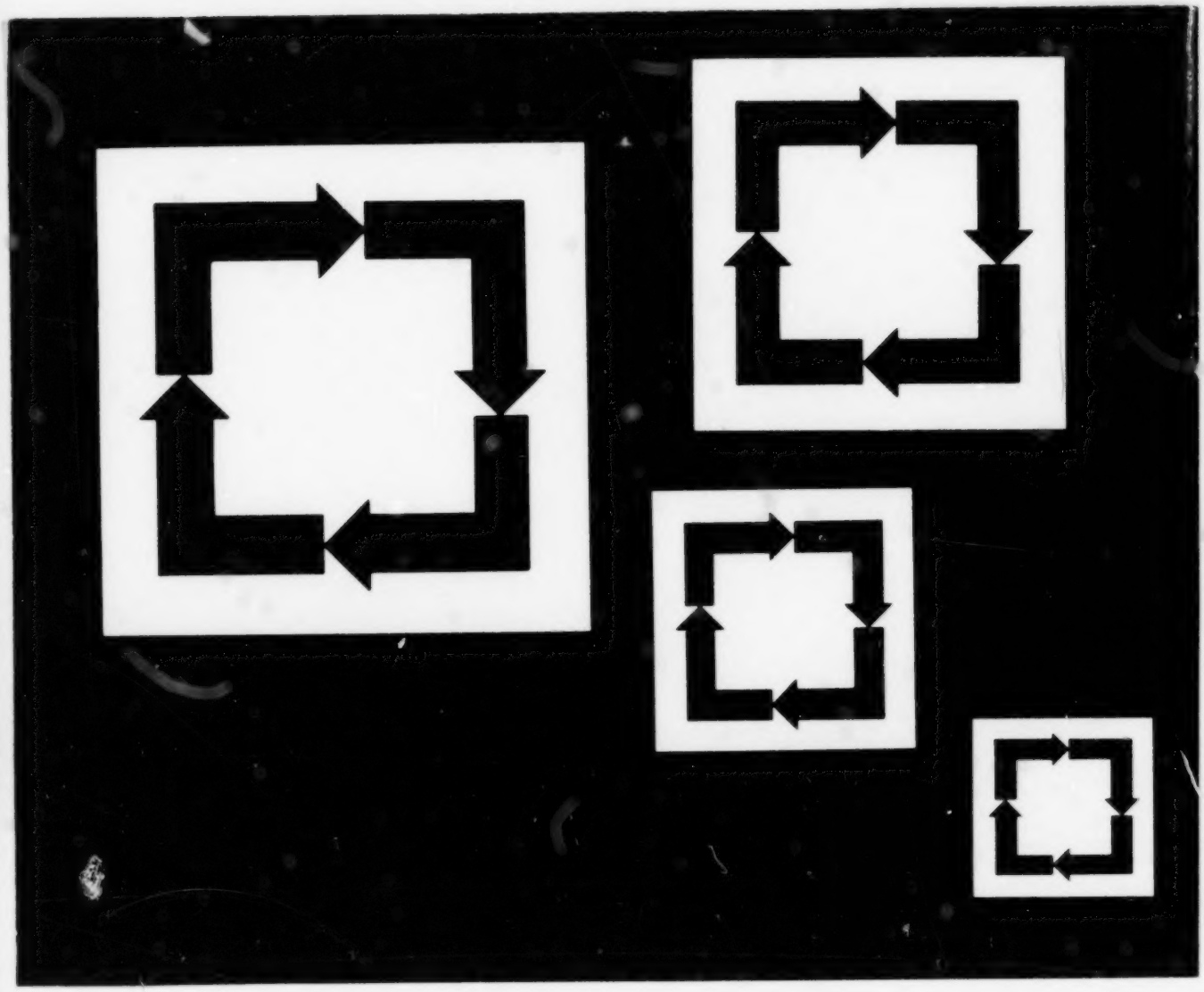
San Francisco, California 94102
Telephone: (415)-556-3783

REGION X

Arcade Plaza
1321 Second Avenue
Seattle, Washington 98101
Telephone: (206)-583-0530





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